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[Claims only, as requested]

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P.O. Box 4828, Austin, Texas 78765 USA

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FILTERING MATERIAL FOR WATER FILTERS, ITS USE FOR
FILTERING WATER, AND FILTERING DEVICE

Applicant:	Everpure, Inc. Westmont, Ill. (USA)
Inventors:	William Harry Beauman, Chicago; Dennis Irvin Prepejchal, Woodridge;

Perialwar Regunathan,
Villa Park, Ill.
(United States)

Agents:

V. Vossius, D. Vossius,
P. Taucher, D. Heunemann,
P. Rauh,
patent attorneys,
8000 Munich

Claims

1. Filtering material for water filters with
(a) an adsorbent based on powdery activated charcoal and
(b) an inert, fine-particle, water-insoluble, nontoxic material,
which is impregnated with 1-5 wt% silver, characterized in that
component (b) is dispersed homogeneously and uniformly in component
(a), and forms the filtering material, that component (b) is
present in the filtering material in a bacteriostatically effective
quantity and that component (b), upon passage of water, makes
possible a slow release of the silver and a dispersion of the
silver in the entire filtering material, so that the silver is
present together with the activated charcoal and that the filtering
material can be uniformly precoated, without inhibiting the
adsorption capacity of the activated charcoal or causing a
compression of the activated charcoal, wherein the precoating tends
to fall from the surface of the filter.

2. Filtering material according to Claim 1, characterized in
that component (b) in the filtering material is present in a
quantity of 1-10 wt%, based on the dry weight.

3. Filtering material according to Claim 1 or 2, characterized in that component (b) contains powdery or fibrous cellulose.

4. Filtering material according to Claim 3, characterized in that the cellulose is a wettable cellulose with individual fibers with a length of 10-1000 μm , a diameter of 2-25 μm and a "dry tap" density of less than 0.4 g/cm^3 .

5. Filtering material according to Claim 3 or 4, characterized in that the silver is present in and/or on the cellulose in a quantity of 2-4 wt%, based on the dry weight.

6. Filtering material according to Claims 1-5, characterized in that the activated charcoal also contains diatomaceous earth, silicic acid, aluminum oxide, or their mixture as a filtering aid.

7. Use of the filtering material according to Claims 1-6 for the filtration of water.

8. Filtering device to carry out the method according to Claim 7 with a housing for a water filtering element, a water filtering element located in the housing, an inlet for impure water on the housing, an outlet for purified water on the housing and devices for conducting impure water through the water filtering element, characterized in that the water filtering element contains a filtering material according to Claims 1-6.

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